

Multi-Laboratory Data Audit Update

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Ken Marra, P.E.
MassDEP – BWSC
1 Winter Street – 6th floor
Boston, MA 02108
(617) 292-5966
Kendall.Marra@Mass.Gov



Multi-Laboratory Data Audit Update

- Background, purpose & scope
- Status & preliminary findings
- Next steps

Multi-Laboratory Data Audit

Background & Purpose

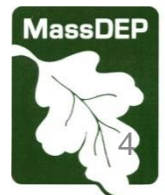
- Ongoing obligation to audit 21E response action submittals (310 CMR 40.1100)
- Analyses certified by labs to have followed Compendium of Analytical Methods (CAM)
- Ensure data quality is adequately documented and commensurate with its use in supporting assessment and cleanup decisions



Multi-Laboratory Data Audit

Scope

- RFIs sent to 14 laboratories – Nov 2016
- 47 data packages including VPH, EPH, APH and TO-15 (plus 8260 VOCs & 1,4-dioxane for one lab)
- **All packages CAM-certified**



Multi-Laboratory Data Audit Scope

Absolute Resource Associates

SGS Accutest

Alpha Analytical

AMRO Environmental

ChemServe

Con-Test Analytical

ESS

GeoLabs

Katahdin Analytical

New England Testing

Phoenix Environmental

RI Analytical

Eurofins Spectrum

TestAmerica Buffalo



Multi-Laboratory Data Audit Status

- Original RFIs sent November 2016
- Preliminary “findings” (i.e. CAM non-compliances) shared individually November 2018
- 2nd RFI: agree/disagree?, still current practice?
- 10 of 12 remaining labs have responded so far

Multi-Laboratory Data Audit

Preliminary Findings

Organized by type of CAM non-compliance:

- Reporting
- Method deviation
- Calculation errors
- QC
- Laboratory errors



Multi-Laboratory Data Audit

Preliminary Findings

VPH & EPH –

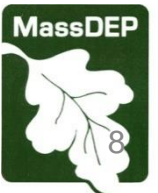
calibration & reporting limits

VPH, EPH, VOCs, 1,4-dioxane –

method deviations & calculation
errors

TO-15 & APH –

less frequent & less significant issues



Multi-Laboratory Data Audit

Next Steps

- Continue compiling & reviewing 2nd RFI responses
- Publish final report with labs, findings and CAM recommendations

Multi-Laboratory Data Audit Questions?

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